

FIGURE 1

Ese2

Ese1

Anti-Ese1 Immunoprecipitations

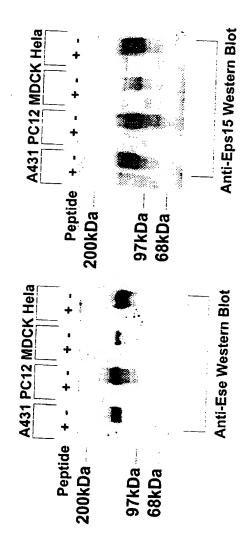


FIGURE 2A

## Ese1L: Ese2L DBL Ese1 1204 ········ LTTDMDPSQQWCSDLHLLDMLTPTERKRQGYIHELIVTEENYVN-DLQLV 1252 for the second of the second second Ese2 1143...... MTTDSDPSQQWCADLQALDTMQPTERKRQGYIHELIQTEERYMDDDLQLV 1192 TEIFOKPLTESELLTEKEVAMIFVNWKELIMCNIKLLKALRVRKKMSGEK 1302 IEVFQKRMAESGFLTEADMALIFVNWKELIMSNTKLLRALRVRKKTGGEK 1242 MPVKMIGDILSAQLPHMQPYIRFCSCQLNGAALIQQKTDEAPDFKEFVKR 1352 MPVQMIGDILAAELSHMQAYIRFCSCQLNGATLLQQKTDEDTDFKEFLKK 1292 LAMDPRCKGMPLSSFILKPMORVTRYPLIIKNILENTPENHPDHSHLKHA 1402 LASDPRCKGMPLSSFLLKPMQRITRYPLLIRSILENTPQSHVDHSSLKLA 1342 LEKAEELCSQVNEGVREKENSDRLEWIQAHVQCEGLSEQLVFNSVTNCLG 1452 LEKAEELCSQVNEGVREKENSDRLEWIQAHVQCEGLAEQLIFNSLTNCLG 1392 PRKFLHSGKLYKAKSNKELYGFLFNDFLLLTQITKP-LGSSGTDKVFSPK 1501 iii lillili lilli ollillilli PRKLLHSGKLYKTKSNKELHAFLFNDFLLLTYLVRQFAAASGHEKLFNSK 1442 SNLQYKMYKTPIFLNEVLVKLPTDPSGDEPIFHISHIDRVYTLRAESINE 1551 SSAQFRMYKTPIFLNEVLVKLPTDPSGDEPVFHISHIDRVYTLRTDNINE RTAWVQKIKAASELYIETEKKKREKAYLVRSQRATGIGRLMVNVVEGIEL RTAWVOKIKGASEQYIDTEKKKREKAYQARSQKTSGIGRLMVHVIEATEL 1542 KPCRSHGKSNPYCEVTMGSQCHITKTIQDTLNPKWNSNCQFFIRDLEQEV KACKPNGKSNPYCEVSMGSQSYTTRTLQDTLNPKWNFNCQFFIKDLYQDV LCITVFERDQFSPDDFLGRTEIRVADIKKDQGSKGPVTKCLLLHEVPTGE 1701 LCLTMFDRDQFSPDDFLGRTEVPVAKIRTEQESKGPTTRRLLLHEVPTGE 1642 IVVRLDLQLFDEP 1714 :: :::::

FIGURE 2B

VWVRFDLQLFEQKTLL 1658

## A) Yeast two hybrid screen: Eps15 and Eps15R bind the Ese1 coiled-coil domain

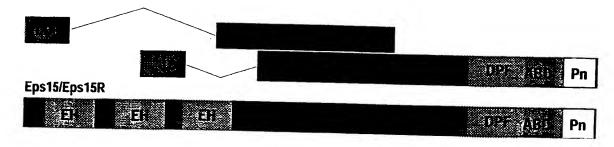
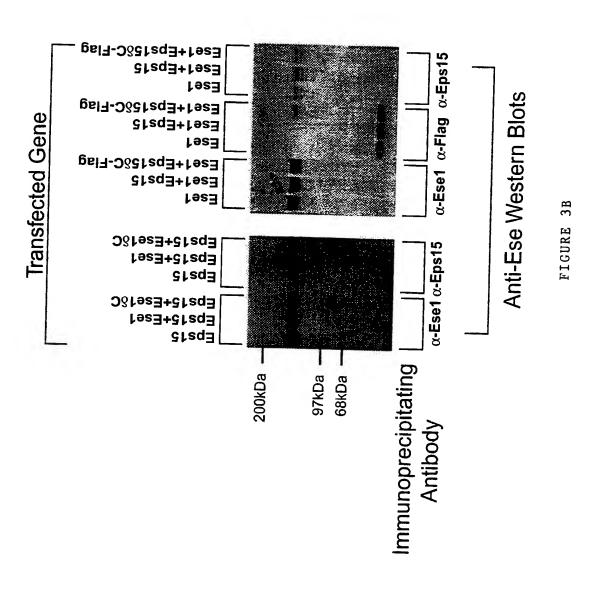
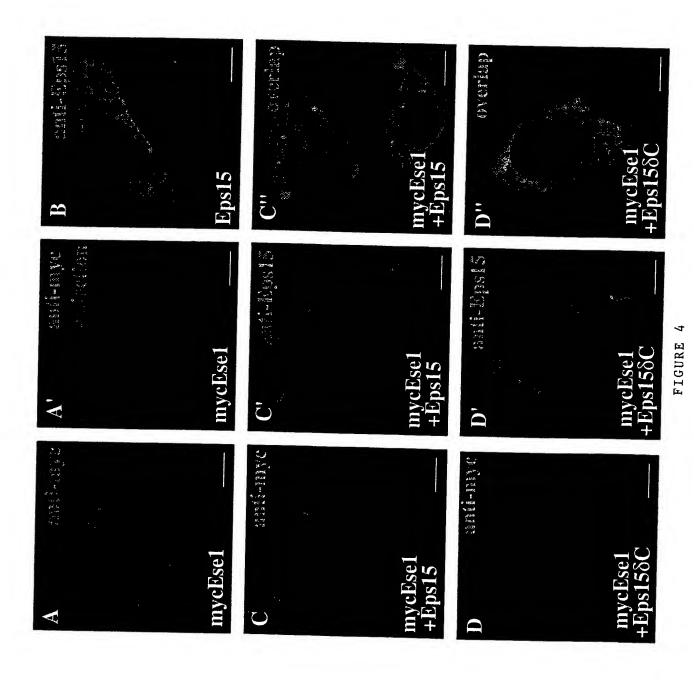


FIGURE 3A





SUBSTITUTE SHEET (RULE 26)

## A) Yeast two hybrid screen: Dynamin binds the Ese1 SH3 domains

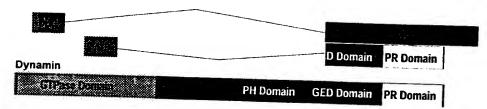


FIGURE 5A

## B) Ese1 overexpression recruits endogenous Dynamin

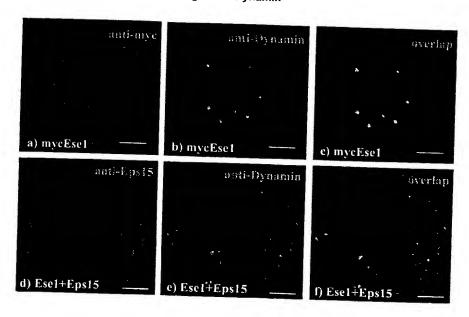
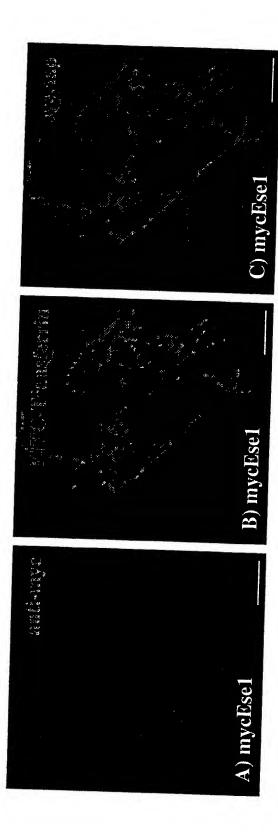


FIGURE 5B



9

FIGURE

SUBSTITUTE SHEET (RULE 26)

Model: The Ese: Eps15 complex recruits critical components for coated pit formation and scission

